

## IN THE CLAIMS

1. (currently amended) Analyzer of anisotropy and entropy of an organized chemical systems, ~~characterized in that it comprises~~ system, the analyzer comprising:

a coherent transceiver (21, 22, 27) ~~[[of]]~~ for radiating a coherent electromagnetic field, ~~capable, when activated, to~~ field beacon that generates radio frequencies displaying one or more spectral lines containing information concerning ~~[[the]]~~ interaction between the coherent electromagnetic field beacon ~~radiated by the coherent transceiver and [[the]] an~~ organized chemical system ~~under test, said coherent transceiver being capable to :~~ and

a spectrum analyzer ~~[[for]]~~ of the radio frequencies displaying ~~said the~~ spectral lines ~~to enable the~~ for analysis ~~of the~~ from variation of the spectral lines ~~and the evaluation of the~~ of states of structural anisotropy and entropy of the organized chemical system ~~under test.~~

2. (currently amended) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that it further comprises demodulation means coupled to said coherent transceiver (21, 22, 27) for demodulating the ~~received signal~~ radio frequencies.

3. (currently amended) Analyzer of anisotropy end entropy of organized chemical systems according to claim 1, characterized in that ~~said coherent transceiver (21, 22, 27)~~ radiate a the coherent electromagnetic field beacon ~~on the~~ is within bands of biological absorption.

4. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

5. (original) Analyzer of anisotropy and entropy of organized chemical systems according to claim 4, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

6. (currently amended) Method for analyzing anisotropy and entropy of organized chemical systems, characterized in that it comprises the steps of radiating an coherent electromagnetic ~~coherent energy~~ frequencies ~~towards the~~ an organized chemical system ~~under test~~, and analyzing the absorption lines caused by the interaction of ~~said~~ the coherent electromagnetic ~~coherent energy~~ frequencies with the organized chemical system ~~under test~~.

7. (currently amended) Analyzer of anisotropy end entropy of organized chemical systems according to claim 2, characterized in that ~~said coherent transceiver (21, 22, 27)~~ radiate a the coherent electromagnetic field beacon on the is within bands of biological absorption.

8. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 2, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

9. (currently amended) Analyzer of anisotropy and entropy of organized chemical systems according to claim ~~[[3]]~~8, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

10. (currently amended) Analyzer of anisotropy and entropy of organized chemical systems according to claim ~~[[7]]~~11, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

11. (new) Analyzer of anisotropy and entropy of organized chemical systems according to claim 3, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

12. (new) Analyzer of anisotropy and entropy of organized chemical systems according to claim 7, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

13. (new) Analyzer of anisotropy and entropy of organized chemical systems according to claim 12, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).